

WE CLAIM:

1. A sewing machine comprising:

a cylinder bed extending in a predetermined direction and  
5 accommodating a shuttle and a shuttle shaft for driving the  
shuttle;

a cloth holding frame for holding a work cloth;

a moving member for supporting the cloth holding frame, the  
moving member being guided by the shuttle shaft so as to be moved  
10 in the predetermined direction; and

a moving member driving unit for driving the moving member  
in the predetermined direction.

2. A sewing machine according to claim 1, wherein the cloth  
15 holding frame is pivotally mounted on the moving member.

3. A sewing machine according to claim 2, further comprising  
a rotation limiting member for limiting rotation of the moving  
member relative to the shuttle shaft.  
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4. A sewing machine according to claim 3, wherein the rotation  
limiting member is disposed outside the cylinder bed.

5. A sewing machine according to claim 3, wherein the rotation  
25 limiting member is disposed inside the cylinder bed.

6. A sewing machine according to claim 1, further comprising  
a pillar portion from which the cylinder bed extends horizontally,

wherein the cylinder bed is used for sewing a cylindrical work and formed into a cylindrical shape and has an inner void.

7. A sewing machine comprising:

- 5       a cylinder bed extending in a predetermined direction;  
      a cloth holding frame for holding a work cloth;  
      a moving member supporting the cloth holding frame and moved  
in the predetermined direction;  
      a moving member driving unit for driving the moving member  
10     in the predetermined direction; and  
      a guiding member provided in the cylinder bed for guiding  
the moving member so that the moving member is moved in the  
predetermined direction.

- 15       8. A sewing machine according to claim 7, wherein the cloth  
holding frame is pivotally supported on the moving member.

9. A sewing machine according to claim 8, further comprising  
a rotation limiting member for limiting rotation of the moving  
20     member relative to the shuttle shaft.

10. A sewing machine according to claim 9, wherein the  
rotation limiting member is disposed outside the cylinder bed.

- 25       11. A sewing machine according to claim 9, wherein the  
rotation limiting member is disposed inside the cylinder bed.